Pretty Results

Pretty Results

Consensus Sequence

Symbol comparison table: pileupdna.cmp CompCheck: 6876

```
              GapWeight: 5
        GapLengthWeight: 1

PileUp  MSF: 3123  Type: N  October 23, 2002 15:15  Check: 2192 ..

Name: 1016_SEQ_3      Len: 3123  Check: 923  Weight: 1.00
Name: 1016_SEQ_5      Len: 3123  Check: 928  Weight: 1.00
Name: 1016_SEQ_4      Len: 3123  Check: 503  Weight: 1.00
Name: 1016_SEQ_16     Len: 3123  Check: 9838 Weight: 1.00
```

```
//                                                         50
            1
1016_SEQ_3  ---------- ---------- ---------- ---------- ----------
1016_SEQ_5  ---------- ---------- ---------- ---------- ----------
1016_SEQ_4  ---------- ---------- ---------- ---------- ----------
1016_SEQ_16 ---------- ---------- ---------- ---------- ----------
Consensus   CCCATCGCTG CTTTGTCTAC ATCATGTTCT TCATCATCCT CCCCAGGCGA

                                                          100
            51
1016_SEQ_3  ---------- ---------- ---------- ---------- ----------
1016_SEQ_5  ---------- ---------- ---------- ---------- ----------
1016_SEQ_4  ---------- ---------- ---------- ---------- ----------
1016_SEQ_16 ---------- ---------- ---------- ---------- ----------
Consensus   CGCGTGCTGC TGTTCTTATT CAGACTACCG TTCGAGTGAC TCCATGGCGT

                                                          150
            101
1016_SEQ_3  ---------- ---------- ---------- ---------- ----------
1016_SEQ_5  ---------- ---------- ---------- ---------- ----------
1016_SEQ_4  ---------- ---------- ---------- ---------- ----------
1016_SEQ_16 ---------- ---------- ---------- ---------- ----------
Consensus   ACATCTTTCT GCATCGACTT TGTACGGCTA CATCGAACAT ATACACGAGA

                                                          200
            151
1016_SEQ_3  ---------- ---------- ---------- ---------- ----------
1016_SEQ_5  ---------- ---------- ---------- ---------- ----------
1016_SEQ_4  ---------- ---------- ---------- ---------- ----------
1016_SEQ_16 ---------- ---------- ---------- ---------- ----------
Consensus   TGTCTCGTGT GAATAGAGTC ACTAATGCCT TAAGCATCGG TTACTCCGTA

                                                          250
            201
1016_SEQ_3  ---------- ---------- ---------- ---------- ----------
1016_SEQ_5  ---------- ---------- ---------- ---------- ----------
1016_SEQ_4  ---------- ---------- ---------- ---------- ----------
1016_SEQ_16 ---------- ---------- ---------- ---------- ----------
Consensus   GGGTACATTC TGTTCTTCTT ATTTGTGCAT ATTTTTATTC TTGTTTACTG

                                                          300
            251
1016_SEQ_3  ---------- ---------- ---------- ---------- ----------
1016_SEQ_5  ---------- ---------- ---------- ---------- ----------
1016_SEQ_4  ---------- ---------- ---------- ---------- ----------
1016_SEQ_16 ---------- ---------- ---------- ---------- ----------
Consensus   ATTATACGAG TAGTTATACA TACATGCACA TACATATCAT CACATATATC

                                                          350
            301
1016_SEQ_3  ---------- ---------- ---------- ---------- ----------
1016_SEQ_5  ---------- ---------- ---------- ---------- ----------
```

Pretty Results

```
1016_SEQ_4   ---------- ---------- ---------- ---------- ----------
1016_SEQ_16  ---------- TCTAAATTAA ATTAAAACTA AAAATGACTA AATTTCTAAC
Consensus    ACAATATTTT TCTAAATTAA ATTAAAACTA AAAATGACTA AATTTCTAAC

             351                                              400
1016_SEQ_3   ---------- ---------- ---------- ---------- ----------
1016_SEQ_5   ---------- ---------- ---------- ---------- ----------
1016_SEQ_4   ---------- ---------- ---------- ---------- ----------
1016_SEQ_16  ---------- ---------- ---------- ---------- ----------
Consensus    ACCAACGACA TTGTAATGTT TTCTCCAACA ACTTTACCTA TTCTACATTG

             401                                              450
1016_SEQ_3   ---------- ---------- ---------- ---------- ----------
1016_SEQ_5   ---------- ---------- ---------- ---------- ----------
1016_SEQ_4   ---------- ---------- ---------- ---------- ----------
1016_SEQ_16  ---------- ---------- ---------- ---------- ----------
Consensus    TTCTATTTCG AATTTCACTC TATAAACAAC ATAGTCTACA ATGGAAAACA

             451                                              500
1016_SEQ_3   ---------- ---------- ---------- ---------- ----------
1016_SEQ_5   ---------- ---------- ---------- ---------- ----------
1016_SEQ_4   ---------- ---------- ---------- ---------- ----------
1016_SEQ_16  ---------- ---------- ---------- ---------- ----------
Consensus    GTGCTTTGTA CGACTATATA CGCGATGTGT GGCTACAACA TAAGACAATA

             501                                              550
1016_SEQ_3   ---------- ---------- ---------- ---------- ----------
1016_SEQ_5   ---------- ---------- ---------- ---------- ----------
1016_SEQ_4   ---------- ---------- ---------- ---------- ----------
1016_SEQ_16  ---------- ---------- ---------- ---------- ----------
Consensus    TAGTCGTTTG AAGATTCAAC CTATATATCG GTACGGTTAA TCCGTCTATG

             551                                              600
1016_SEQ_3   ---------- ---------- ---------- ---------- ----------
1016_SEQ_5   ---------- ---------- ---------- ---------- ----------
1016_SEQ_4   ---------- ---------- ---------- ---------- ----------
1016_SEQ_16  ---------- ---------- ---------- ---------- ----------
Consensus    TACGTGGGCA TGACGAACAC CCGTGATAAC GAAGGATTAA CCTGCACAAT

             601                                              650
1016_SEQ_3   ---------- ---------- ---------- ---------- ----------
1016_SEQ_5   ---------- ---------- ---------- ---------- ----------
1016_SEQ_4   ---------- ---------- ---------- ---------- ----------
1016_SEQ_16  ---------- ---------- ---------- ---------- ----------
Consensus    CATAAATCCA AAGTAGGAGC GGTGCATGAT GACAATCGCT CTCAGTACTC

             651                                              700
1016_SEQ_3   ---------- ---------- ---------- ---------- ----------
1016_SEQ_5   ---------- ---------- ---------- ---------- ----------
1016_SEQ_4   ---------- ---------- ---------- ---------- ----------
1016_SEQ_16  ---------- ---------- ---------- ---------- ----------
Consensus    GACATAATGA ACCTTACGAG GTACAACAGG CAGGCAGGCA GGGACCAGGG

             701                                              750
1016_SEQ_3   ---------- ---------- ---------- ---------- ----------
1016_SEQ_5   ---------- ---------- ---------- ---------- ----------
1016_SEQ_4   ---------- ---------- ---------- ---------- ----------
1016_SEQ_16  ---------- ---------- ---------- ---------- ----------
Consensus    GCCGCCTTTA TTTCAGGCTC GCTGGCCCCA CGGGCGTGCT CCGTGCACGA

             751                                              800
1016_SEQ_3   ---------- ---------- ------a--- ---------- ----------
1016_SEQ_5   ---------- ---------- ------a--- ---------- ----------
```

Pretty Results

```
                  -----------  ----------- ------a----- ----------- -----------
1016_SEQ_4        -----------  ----------- -----.----- ----------- ----------,
1016_SEQ_16       -----------  ----------- -----.----- ----------- -----------
Consensus         AGGGCACTAC   CCCAACCTCT  CACCG-AAAA  CCGCGCTGGA  TCGGCAAATC

                                                                         850
         801
1016_SEQ_3        -----------  ----------- ----------- ----------- -----------
1016_SEQ_5        -----------  ----------- -,--------- ----------- ----------
1016_SEQ_4        -----.-----  ----------- ----------- ---------.- ----.-----
1016_SEQ_16       -----------  ----------- ---.------- ----------- -----------
Consensus         AAACGAGGTG   GTGCCCCGTG  CCCACTCTCC  ACGTCCACGG  CACCATCCCT

                                                                         900
         851
1016_SEQ_3        -----------  ----------- --.-------- ----------- ----------
.1016_SEQ_5       -----------  ----------- ----------- ----------- ----------
1016_SEQ_4        -----------  ----------- -.--------- ----------- .---------
1016_SEQ_16       .----------  ----------- ----------- ----------- ----------
Consensus         CTGCAGCCGC   TCACCAGCCA  TGCCGTGTCG  CGGAACGGCA  CAACCACCCC

                                                                         950
         901
1016_SEQ_3        -----------  ----------- ----------- ----------- ----------
1016_SEQ_5        -----------  ----------- ----------- -.--------- ----------
1016_SEQ_4        -----------  ----------- ----------- ----------- ----------
1016_SEQ_16       -----------  ----------- ----------- ----------- ----------
Consensus         CAACCCACTC   ACGAAACCCC  GTCCCGGCCG  TGCCCGTGTC  GGTCCGCGCT

                                                                        1000
         951
1016_SEQ_3        -----------  ----------- ----------- ----------- ----------
1016_SEQ_5        -----------  ----------- ----------- ----------- ----------
1016_SEQ_4        -----------  ----------- ----------- --------.-- ----------
1016_SEQ_16       -----------  ----------- ----------- ----------- ----------
Consensus         CGGCAACGAG   GCGGCCCGCG  CTGCTCAGTC  CCCTGGACAC  CCGACACCCT

                                                                        1050
         1001
1016_SEQ_3        -----------  ----------- ----------- ----------- ----------
1016_SEQ_5        -----------  ----------- ----------- ----.------ ----------
1016_SEQ_4        -----------  ----------- ----------- ----------- ----------
1016_SEQ_16       -----------  ----------- ----------- ----------- ----------
Consensus         GTCGGCCCTT   TGTTTATTCA  TCCCGAAATC  TCATCTGCCC  CCACGGCCGA

                                                                        1100
         1051
1016_SEQ_3        -----------  ----------- ----------- ----------- ----------
1016_SEQ_5        -----------  ----------- ----------- ----------- ----------
1016_SEQ_4        -----------  ----------- ----------- ----------- ----------
1016_SEQ_16       -----------  ----------- ----------- ----------- ----------
Consensus         CTGCGCTGCG   CCGCCCGGAT  ATATATACCC  ATCGTTATCG  ATCGATCGAT

                                                                        1150
         1101
1016_SEQ_3        -----------  ----------- ----------- ----------- ----------
1016_SEQ_5        -----------  ----------- ----------- ----------- ----------
1016_SEQ_4        -----------  ----------- ----------- ----------- ----------
1016_SEQ_16       -----------  ----------- ----------- ----------- ----------
Consensus         CGCGTCACTC   ACGGGTAGCT  CATGGTCGAG  CGTAGCATGC  ACGAACTTAT

                                                                        1200
         1151
1016_SEQ_3        -----------  ----------- ----------- ----------- ----------
1016_SEQ_5        -----------  ----------- ----------- --------- -----------
1016_SEQ_4        -----------  ----------- ----------- ----------- ----------
1016_SEQ_16       -----------  ----------- ----------- ----------- ----------
Consensus         TTGCCGTGCG   CTCCCAGGTC  TCCGCTCGCG  TGCCTTCCAG  TCTGTCTCAC

                                                                        1250
         1201
1016_SEQ_3        -----------  ----------- ----------- ----------- ----------
1016_SEQ_5        -----------  ----------- ----------- ----------- ----------
```

Pretty Results

```
1016_SEQ_4    ---------- ---------- ---------- ---------- ----------
1016_SEQ_16   ---------- CTGGGACGAT CGAAGTGGGT GTGTCAGCTA GCTAGCTGCG
Consensus     ACTAGCTGCT CTGGGACGAT CGAAGTGGGT GTGTCAGCTA GCTAGCTGCG


              1251                                              1300
1016_SEQ_3    ---------- ---------- ---------- ---------- ----------
1016_SEQ_5    ---------- ---------- ---------- ---------- ----------
1016_SEQ_4    ---------- ---------- ---------- ---------- ----------
1016_SEQ_16   ---------- ---------- ---------- ---------- ----------
Consensus     CCGTGACCAC GCACATCACC GCAGTGCGCG CGGGGCTGAT CAAGGGAAAG


              1301                                              1350
1016_SEQ_3    -----gg--- ---------- ---------- ---------- ----------
1016_SEQ_5    -----gg--- gagctggagc tcgggctcgc gccgccgaac ccgcatcagc
1016_SEQ_4    -----cc--- ---------- ---------- ---------- ----------
1016_SEQ_16   -----cc--- ---------- ---------- ---------- ----------
Consensus     TGATC--ATG ---------- ---------- ---------- ----------


              1351                                              1400
1016_SEQ_3    ---------- ---------- ---------- ---------- ----------
1016_SEQ_5    cgctggctgc cgccgccgag ttcgtcggtc tcctcagcag ctcggctggc
1016_SEQ_4    ---------- ---------- ---------- ---------- ----------
1016_SEQ_16   ---------- ---------- ---------- ---------- ----------
Consensus     ---------- ---------- ---------- ---------- ----------


              1401                                              1450
1016_SEQ_3    ---------- ---------- ---------- ---------- ----------
1016_SEQ_5    tcgtgcggga acaagagggt tctcggcgac gcgttcgggg ccgccaaggc
1016_SEQ_4    ---------- ---------- ---------- ---------- ----------
1016_SEQ_16   ---------- ---------- ---------- ---------- ----------
Consensus     ---------- ---------- ---------- ---------- ----------


              1451                                              1500
1016_SEQ_3    ---------- ---------- ---------- ---------- ----------
1016_SEQ_5    ggccacgctt ccgctcttcg tctgcgagga tggcgacgga ggcggcggcg
1016_SEQ_4    ---------- ---------- ---------- ---------- ----------
1016_SEQ_16   ---------- ---------- ---------- ---------- ----------
Consensus     ---------- ---------- ---------- ---------- ----------


              1501                                              1550
1016_SEQ_3    ---------- ---------- ---------- ---------- ----------
1016_SEQ_5    accgcgaccg cgacggcgtc gtcgaccatg aacagcaaag caacaagtga
1016_SEQ_4    ---------- ---------- ---------- ---------- ----------
1016_SEQ_16   ---------- ---------- ---------- ---------- ----------
Consensus     ---------- ---------- ---------- ---------- ----------


              1551                                              1600
1016_SEQ_3    ---------- ---------- ---------- ---------- ----------
1016_SEQ_5    gttgtggtta aaaataccga ccacgtgcgt acagggaggg tcttattata
1016_SEQ_4    ---------- ---------- ---------- ---------- ----------
1016_SEQ_16   ---------- ---------- ---------- ---------- ----------
Consensus     ---------- ---------- ---------- ---------- ----------


              1601                                              1650
1016_SEQ_3    ---------- ---------- ---------- ---------- ----------
1016_SEQ_5    cccaaatccg atccgtggtg tgtgtagtgt acccaggaag aagaggctgg
1016_SEQ_4    ---------- ---------- ---------- ---------- ----------
1016_SEQ_16   ---------- ---------- ---------- ---------- ----------
Consensus     ---------- ---------- ---------- ---------- ----------


              1651                                              1700
1016_SEQ_3    ---------- ---------- ---------- ---------- ----------
1016_SEQ_5    tggggtggcc gccggtgaag tgcgcgcgta ggcgtagctg cggcggcggg
```

Pretty Results

```
                                                                        1750
1016_SEQ_3  ---------- ---------- ---------- ---------- ----------
1016_SEQ_5  ---------- ---------- ---------- ---------- ----------
1016_SEQ_4  ---------- ---------- ---------- ---------- ----------
1016_SEQ_16 ---------- ---------- ---------- ---------- ----------
Consensus   ---------- ---------- ---------- ---------- ----------

            1701                                                        1750
1016_SEQ_3  ---------- ---------- ---------- ---------- ----------
1016_SEQ_5  tacgtgaagg tgaagctgga aggggtgccc atcgggcgga aggtggacgt
1016_SEQ_4  ---------- ---------- ---------- ---------- ----------
1016_SEQ_16 ---------- ---------- ---------- ---------- ----------
Consensus   ---------- ---------- ---------- ---------- ----------

            1751                                                        1800
1016_SEQ_3  ---------- ---------- ---------- ---------- ----------
1016_SEQ_5  gtccatccac ggctcgtacc aggagctgct ccgcacgctc gagagcatgt
1016_SEQ_4  ---------- ---------- ---------- ---------- ----------
1016_SEQ_16 ---------- ---------- ---------- ---------- ----------
Consensus   ---------- ---------- ---------- ---------- ----------

            1801                                                        1850
1016_SEQ_3  ---------- ---------- ---------- ---------- ----------
1016_SEQ_5  tcccttcggg taaccaacaa ggtgcgtacg ttcccgggcc gcggcgagcc
1016_SEQ_4  ---------- ---------- ---------- ---------- ----------
1016_SEQ_16 ---------- ---------- ---------- ---------- ----------
Consensus   ---------- ---------- ---------- ---------- ----------

            1851                                                        1900
1016_SEQ_3  ---------- ---------- ---------- ---------- ----------
1016_SEQ_5  ggccggcgac cggcggtgct gcggacgatg cctttctttc actgataatc
1016_SEQ_4  ---------- ---------- ---------- ---------- ----------
1016_SEQ_16 ---------- ---------- ---------- ---------- ----------
Consensus   ---------- ---------- ---------- ---------- ----------

            1901                                                        1950
1016_SEQ_3  ---------- ---------- ---------- ---------- ----------
1016_SEQ_5  atctgccgcc atcgttctgg tcccgacacg tgcccttgct tcccgttctg
1016_SEQ_4  ---------- ---------- ---------- ---------- ----------
1016_SEQ_16 ---------- ---------- ---------- ---------- ----------
Consensus   ---------- ---------- ---------- ---------- ----------

            1951                                                        2000
1016_SEQ_3  ---------- ---------- ---------- ---------- ----------
1016_SEQ_5  ctcccggcac ttaacttggt cgcatatact attcctgtaa cctctggcag
1016_SEQ_4  ---------- ---------- ---------- ---------- ----------
1016_SEQ_16 ---------- ---------- ---------- ---------- ----------
Consensus   ---------- ---------- ---------- ---------- ----------

            2001                                                        2050
1016_SEQ_3  ---------- ---------- ---------- ---------- ----------
1016_SEQ_5  atcatgcaga agacgaggtg gtggtctcgc acgagcgccg ccgtcgccat
1016_SEQ_4  ---------- ---------- ---------- ---------- ----------
1016_SEQ_16 ---------- ---------- ---------- ---------- ----------
Consensus   ---------- ---------- ---------- ---------- ----------

            2051                                                        2100
1016_SEQ_3  ---------- ---------- ---------- ---------- ----------
1016_SEQ_5  ccttatgtag tcacctacga ggacggcgaa ggggactggt tgctcgtcgg
1016_SEQ_4  ---------- ---------- ---------- ---------- ----------
1016_SEQ_16 ---------- ---------- ---------- ---------- ----------
Consensus   ---------- ---------- ---------- ---------- ----------

            2101                                                        2150
1016_SEQ_3  ---------- ---------- ---------- ---------- ----------
1016_SEQ_5  agatgatgtg ccgtgggagt acgtatcagt cactactact gtcgtctgta
```

Pretty Results

```
                                                                        2200
1016_SEQ_4   ---------- ---------- ---------- ---------- ----------
1016_SEQ_16  ---------- ---------- ---------- ---------- ----------
Consensus    ---------- ---------- ---------- ---------- ----------

             2151                                                       2250
1016_SEQ_3   ---------- ---------- ---------- ---------- ----------
1016_SEQ_5   tgactgtatc gatggtgacg gcaacaatat aatccaatta attatrcagc
1016_SEQ_4   ---------- ---------- ---------- ---------- ----------
1016_SEQ_16  ---------- ---------- ---------- ---------- ----------
Consensus    ---------- ---------- ---------- ---------- ----------

             2201                                                       2250
1016_SEQ_3   ---------- ---------- ---------- ---------- ----------
1016_SEQ_5   gaacttaaaa acgacgttga tttccttgca gggtctttgt caagtcagtg
1016_SEQ_4   ---------- ---------- ---------- ---------- ----------
1016_SEQ_16  ---------- ---------- ---------- ---------- ----------
Consensus    ---------- ---------- ---------- ---------- ----------

             2251                                                       2300
1016_SEQ_3   ---------- ---------- ---------- ---------- ----------
1016_SEQ_5   aagcggctca agatacttgc gtagccgacg gtcggcgcct cagagacgtc
1016_SEQ_4   ---------- ---------- ---------- ---------- ----------
1016_SEQ_16  ---------- ---------- ---------- ---------- ----------
Consensus    ---------- ---------- ---------- ---------- ----------

             2301                                                       2350
1016_SEQ_3   ---------- ---------- ---------- ---------- ----------
1016_SEQ_5   gtgtggtccg tctcaccagg atcggagcag tgtagtactc ctgggcgtca
1016_SEQ_4   ---------- ---------- ---------- ---------- ----------
1016_SEQ_16  ---------- ---------- ---------- ---------- ----------
Consensus    ---------- ---------- ---------- ---------- ----------

             2351                                                       2400
1016_SEQ_3   ---------- ---------- ---------- ---------- ----------
1016_SEQ_5   tctgcgtaat aacgttgttt ctgtcctgtg tgcccgtagc agtacgtact
1016_SEQ_4   ---------- ---------- ---------- ---------- ----------
1016_SEQ_16  ---------- ---------- ---------- ---------- ----------
Consensus    ---------- ---------- ---------- ---------- ----------

             2401                                                       2450
1016_SEQ_3   ---------- ---------- ---------- ---------- ----------
1016_SEQ_5   gtcctatagt aagctagctt tatggggtgc ttcagctttc agagcatgac
1016_SEQ_4   ---------- ---------- ---------- ---------- ----------
1016_SEQ_16  ---------- ---------- ---------- ---------- ----------
Consensus    ---------- ---------- ---------- ---------- ----------

             2451                                                       2500
1016_SEQ_3   ---------- ---------- ---------- ---------- ----------
1016_SEQ_5   gaaagcactg attagctgct gtcatcacat ttggttcgtc tttgtgtcgt
1016_SEQ_4   ---------- ---------- ---------- ---------- ----------
1016_SEQ_16  ---------- ---------- ---------- ---------- ----------
Consensus    ---------- ---------- ---------- ---------- ----------

             2501                                                       2550
1016_SEQ_3   ---------- ---------- ---------- ---------- ----------
1016_SEQ_5   acggtatcgc tggcgtcagt gtcgcggcag cctaggtgat ctaagcatac
1016_SEQ_4   ---------- ---------- ---------- ---------- ----------
1016_SEQ_16  ---------- ---------- ---------- ---------- ----------
Consensus    ---------- ---------- ---------- ---------- ----------

             2551                                                       2600
1016_SEQ_3   ---------- ---------- ---------- ---------- ----------
1016_SEQ_5   ttactatctc aagttacttt tggtttcctg agcttgcatg gtaattcata
```

Pretty Results

```
1016_SEQ_4   ----------  ----------  ----------  ----------  ----------
1016_SEQ_16  ----------  ----------  ----------  ----------  ----------
Consensus    ----------  ----------  ----------  ----------  ----------

                                                                 2650
             2601
1016_SEQ_3   ----------  ----------  ----------  ----------  ----------
1016_SEQ_5   taccgtatac  gtgtgtgact  caggggcgaa  gctgccttaa  ggcacagggg
1016_SEQ_4   ----------  ----------  ----------  ----------  ----------
1016_SEQ_16  ----------  ----------  ----------  ----------  ----------
Consensus    ----------  ----------  ----------  ----------  ----------

                                                                 2700
             2651
1016_SEQ_3   ----------  ----------  ----------  ----------  ----------
1016_SEQ_5   tcaccggacc  cgatggaatt  tatcaaatcc  agtgtaaaat  actatttaac
1016_SEQ_4   ----------  ----------  ----------  ----------  ----------
1016_SEQ_16  ----------  ----------  ----------  ----------  ----------
Consensus    ----------  ----------  ----------  ----------  ----------

                                                                 2750
             2701
1016_SEQ_3   ----------  ----------  ----------  ----------  ----------
1016_SEQ_5   actgttcatc  aatatatttg  atttcaataa  ttcatggagc  tgaccttgtg
1016_SEQ_4   ----------  ----------  ----------  ----------  ----------
1016_SEQ_16  ----------  ----------  ----------  ----------  ----------
Consensus    ----------  ----------  ----------  ----------  ----------

                                                                 2800
             2751
1016_SEQ_3   ----------  ----------  ----------  ----------  ----------
1016_SEQ_5   gatccatttt  ctgtcttcgc  ctctggtgtg  actagtattt  tggtttgact
1016_SEQ_4   ----------  ----------  ----------  ----------  ----------
1016_SEQ_16  ----------  ----------  ----------  ----------  ----------
Consensus    ----------  ----------  ----------  ----------  ----------

                                                                 2850
             2801
1016_SEQ_3   ----------  ----------  ----------  ----------  ----------
1016_SEQ_5   tttcactctg  tataagatat  atattatacc  agcgagttta  tcgactgcta
1016_SEQ_4   ----------  ----------  ----------  ----------  ----------
1016_SEQ_16  ----------  ----------  ----------  ----------  ----------
Consensus    ----------  ----------  ----------  ----------  ----------

                                                                 2900
             2851
1016_SEQ_3   ----------  ----------  ctttcaattg  cttattttta  ttgcaacaac
1016_SEQ_5   gttttacaag  aggcttaact  ctttcaattg  cttattttta  ttgcaacaac
1016_SEQ_4   ----------  ----------  ----------  ----------  ----------
1016_SEQ_16  ----------  ----------  ----------  ----------  ----------
Consensus    ----------  ----------  ----------  ----------  ----------

                                                                 2950
             2901
1016_SEQ_3   ----------  ----------  ----------  ----------  ----------
1016_SEQ_5   acactcctcc  gttgttgtgg  tattagatgt  ggttctgaat  gtaaatgtca
1016_SEQ_4   ----------  ----------  ----------  ----------  ----------
1016_SEQ_16  ----------  ----------  ----------  ----------  ----------
Consensus    ----------  ----------  ----------  ----------  ----------

                                                                 3000
             2951
1016_SEQ_3   ----------  ----------  ----------  ----------  ----------
1016_SEQ_5   ttataggata  taaatgtagt  gtttcctagt  tttaccttag  ctttcgcatg
1016_SEQ_4   ----------  ----------  ----------  ----------  ----------
1016_SEQ_16  ----------  ----------  ----------  ----------  ----------
Consensus    ----------  ----------  ----------  ----------  ----------

                                                                 3050
             3001
1016_SEQ_3   ----------  ----------  ----------  ----------  ----------
1016_SEQ_5   catagtggga  aagtgtacta  actctcctca  tgcagaaaga  ggtgtggtat
```

Pretty Results

```
  1016_SEQ_4   ----------  ~~~~~~~~~~  ----------  ~~~~~~~~~~  ----------
  1016_SEQ_16  ~~~~~~~~~~  ----------  ----------  ~~~~~~~~~~  ----------
    Consensus  ----------  ~~~~~~~~~~  ----------  ----------  ----------

                                                                     3100
               3051
  1016_SEQ_3   ~~~~~~~~~~  ----------  ----------  ~~~~~~~~~~  ----------
  1016_SEQ_5   acctaacaaa  atcatacatc  actactaatc  tacggataat  atatataaac
  1016_SEQ_4   ~~~~~~~~~~  ----------  ~~~~~~~~~~  ----------  ~~~~~~~~~~
  1016_SEQ_16  ----~~----  -~~~~~----  ----------  ~~~~~~~~~~  ----------
    Consensus  ~~~~~~~~~~  ----------  ----------  ----------  ----------

               3101               3123
  1016_SEQ_3   ----~~----  ~~~~~~~~~~  ---
  1016_SEQ_5   cgtagcgaca  cacgagtgct  tag
  1016_SEQ_4   ----~~----  ~~~~~~~~~~  ---
  1016_SEQ_16  ----------  -----~~---  ---
    Consensus  ~~~~~~~~~~  ----------  ---
```

Add the Consensus Sequence to Your List

Use the form below to add the consensus sequence to your list of input sequences. **You must enter a name for the sequence.** You can edit the description line, the reference, or the sequence.

Name

[   ]

Description Line

Consensus Sequence

Reference

```
Consensus sequence calculated by PileUp from:
        1016_SEQ_3
        1016_SEQ_5
        1016_SEQ_4
        1016_SEQ_16
```

Sequence Data

```
CCCATCGCTGCTTTGTCTACATCATGTTCTTCATCATCCTCCCCAGGCG
ACGCGTGCTGCTGTTCTTATTCAGACTACCGTTCGACTGACTGCATGGC
GTACATCTTTCTGCATCGACTTTGTACGGCTACATCGAACATATACACG
AGATGTCTCCTGTGAATAGAGTCACTAATGCCTTAAGCATCGGTTACTC
CGTAGGGTACATTCTGTTCTTCTTATTTGTGCATATTTTTATTGTTGTT
```

[Add Sequence to List]   [Remove Gaps]   [Reset]